TITLE INDEX

(Titles in italics are for book reviews.)

68000 Micocomputer Systems: Designing and Troubleshooting 235-6

A Checklist of Factors to be Considered when Negotiating Software Agreements 206-214

A Conceptual Image Intensity Surface and the Sampling Theorem 119-125

A Genstat Primer 182

A Graphics Oriented Deductive Planning System 76-83

A Guide to Software Quality for the Developer and Unwary User 219-221

A Linear Algorithm for Data Compression 64-68

A Quarter Century of IFIP 174

Ada in Practice 42

Ada: managing the transition 181

Advances in Artificial Intelligence 43

Algorithms, their complexity and efficiency 180

Algorithms: the Construction, Proof and Analysis of Programs 43

An Introduction to Computer-Aided Design and Manufacture 44

An Introduction to Data Types 231

Blind Image Restoration 126-133

C For Programmers 181

Cellular Logic Image Processing 234-5

Choosing and Using CMOS 236

Cobol 85 Reference Summary 231

Computer Assisted Decision Making 45

Computer Hardware Description Languages and their Applications 106

Computer Security: the practical issues 105

Computer Users' Data Book 111

Computing '85: A Broad Perspective of Current Developments 174

Concurrency and Programming Languages 232

Concurrent Programming in Ada 46

CP/M 80 System Programming 45-6

Data Base Organization for Data Management 183

Desktop Publishing: The Book 111

Dynamical Systems and Cellular Automata 234-5

Formal Aspects of VLSI Design 183

Framework II for Writers 46

From a NIAM Conceptual Schema into the Optimal SQL Relational Database Schema 69-75

Fuzzy Mathematical Techniques with Applications 109

Getting Started with WORDSTAR + Mailmerge + Spellstar 178

Guidelines for Privacy and Security in Computer Systems 203-205

High Tech: Window to the Future 111

Image Processing in Diagnostic Ultrasound 161-166

Implementing Relaxation Labelling with Neural Networks 140-147

IMS (DL/I) Data Base Organisation and Performance 231

Information Systems Design Methodologies: Improving the Practice 174-5

Information Systems Planning: A Manifesto for Australian-Based Research 49-55

Integrating the Structured Analysis and Design Models: a Category-Theoretic Approach 25-31

Integrity Analysis: A Methodology for EDP Audit and Data Quality Assurance 42

Intelligent Machinery -- Theory and Practice 108

Interface Fundamentals in Microprocessor-Controlled Systems 107

Introduction to Computer Systems 181-2

Introduction to Finite Fields and their Applications 182-3

Introduction to the Graphical Kernel Systems (GKS) 233

Language and Artificial Intelligence 180

Microcomputer Operation, Troubleshooting, and Repair 107

Modelling Techniques and Tools for Performance Analysis '85 232-3

Modula-2 Discipline & Design 110

Modula-2: Constructive Program Development 110

Moire Fringe Methods in Aerofoil Sail Shape Measurement for the "Kookabura" 12 Metre Yachts 115-118

Networks in Office Automation 46

Non-professional Practices in Computing: Some Thoughts on the Next Decade or So 215-218

Numerical Recipes 176-7

Object Oriented Programming: An Evolutionary Approach 43-4

Optimization Across Module Boundaries 167-173

Plausible Reasoning 2-15

Practical Data Communications: Modems, Networks and Protocols 107-8

Practical Program Development Using JSP 175

Proceedings of the Fifth British National Conference on Databases 175-6

Program Evolution 179-80

Programming the Macintosh - An Advanced Guide 177-8

Prolog: A Relational Language and Its Applications 231-2

Continued overleaf ...

Protocol Specification, Testing, and Verification, V. 108
Registration of Distorted Images from Airborne Scanners 148-153
Reproducible Tests in CSP 92-98
Security of Computer Based Information Systems 180
Segmentation of Visually Similar Textures by Convolution Filtering 134-139
Selected Papers from the Tenth Australian Computer Science Conference: Guest Editors' Introduction 63
Software for Discrete Manufacturing 177
Some Experiments in Decision Tree Induction 84-91
Some Image Processing Aspects of a Military Geographic Information System 154-160
Special Issue on Digital Image Processing: Guest Editor's Introduction 113-114
Specifying the Static Semantics of Block Structure Languages 99-104
Strategy for Data Modelling (application- and enterprise- wide) 234
Structure and Interpretation of Computer Programs 109-110
Surfaces in CAGD '84 44
Systems Analysis and Design 42
The Accountant's Computer Handbook 178
The Art of Managing Software Development People 179
The Australian Computer Journal: Twenty Years On 185-189
The Australian Computer Journal: A Twentieth Anniversary Editorial - Twenty Deadly Sins Against Professionalism and Progress in Australian Computing 190-195
The Computing Professional's Bookshelf 222-223
The International Handbook on Computer Crime 105-6
The Politics of Projects 179
The Professional Development and Continuing Education of Computing Practitioners 224-230
The Transition to Fifth Generation Technology: Conceptual Schema Implementation 16-24
The Transport Layer in a Microcomputer Network 56-62
The Use of Non-hierarchical Allocation Methods for Clustering Large Sets of Data 32-41
Trends in Information Systems 178-9
Turing's Man 105
Understanding Statistics 233
Using and Programming the IBM PC AT 233-4
VLSI Image Processing 44-5
Wafer Scale Integration 106-7
What Could a Client Reasonably Expect a Consultant to do When He is Engaged to Assist in the Purchase of a Manufacturing System 196-202

CONTRIBUTOR INDEX

Abramson, D.A. 106
Bailes, P.A. 174,46
Beaumont, W.P. 45-6
Belbin, L. 32-41
Benke, K.K. 134-9
Botten, L. 115-8
Brebner, P.C. 43
Brent, R.P. 64-68
Bright, D. 42
Caden, M. 115-8
Caelli, W.J. 203-5
Carrington, D.A. 43-4
Cartmel, J.A. 44
Catchpole,E.A. 233,182
Cergovska, J. 110
Chubb, P.J. 232,235-6
Clarke, A.P. 176-7
Clarke, R. 222-3
Coldwell, R.A. 215-8
Colomb, R.M. 108
Craig, M.D. 148-53
Cruikshank, A. 46
Duke, R. 99-104
Dwyer, B. 175,231
Edwards, R. 107,236
Farrell, R. 219-21
Ferme, W.D. 196-202
Fidge, C.J. 92-98
Fiebig, M.J. 154-60
Fletcher, R.L. 179
Fraser, D. 119-25
Fry, M.R. 56-62
Galliers, R.D. 49-55
Green, A.A. 148-53
Hawryszkiewycz, I.T. 42,174-5
Hext, J.B. 231
Hildebrandt, J. 126-33
Hille, R.F. 180
Hiller, J.B. 178-9
Horan, P. 183
Hume, D. 109
Jarvis, D.H. 177
Johnson, G.T. 44
Johnston, D. 99-104
Johnston, D.B. 181
Kidman, B.P. 110
Knight, P.C. 161-6
Pawlikowski, K. 232-3
Lawrence, L. 105,105-6
Lederer, B.R. 234-5
Leung, C.M.R. 69-75
Lions, J 46,63, 111, 185-9
Lowe, J. 107
Lynch, R.M. 180
Maciaszek, L. 175-6,234
Mackenzie, H.G. 76-83
Mak, S. 181
McCrea, P.G. 179
McGrath, G.M. 16-24
Molinari, B.P. 42
Montgomery, A.Y. 190-5, 231
Newman, B.B. 126-33
Nichol, D.G. 154-60
Nijssen, G.M. 69-75
O'Callaghan, J.F. 113-4,233,235
O'Neill, J.L. 2-15,45
Patrick, J. 63
Poole, P.C. 63
Powers, D.M.W. 179-80,180
Price, R. 111
Rees, M.J. 177-8
Reeve, R.C. 178
Reid, T.A. 107-8
Reidl, N.F. 206-14
Richards, J.A. 44-5
Robinson, D.E. 161-6
Robson, J.M. 105
Rose, G.A. 99-104
Sale, A.H.J. 106-7, 167-73
Sammut, C.A. 109-10
Sammut, R.A. 231-2
Shipman, A.L. 140-7
Skinner, D.R. 134-9
Smith, B.W. 174
Srinivasan, B. 183
Stanton, R.B. 76-83
Thornton, B.S. 115-8
Todter, C. 115-8
Topor, R.W. 43
Trahair, S. 111,178
Tse, T.H. 25-31
Whatmough, R.J. 154-60
Whitebread, P.J. 154-60
Wilbur-Ham, M. 108
Wild, D. 181-2, 233-4
Williams, G.J. 84-91
Woodings, T. 224-30
Worley, R. 182-3

The AUSTRALIAN COMPUTER JOURNAL

VOLUME 19

February 1987 to November 1987

CONTENTS

Contributions

1. February,1987

O'Neil, J.L.	Plausible Reasoning	2-15
McGrath, G.M.	The Transition to Fifth Generation Technology: Conceptual Schema Implementation	16-24
Tse, T.H.	Integrating the Structured Analysis and Design Models: a Category-Theoretic Approach	25-31
Belbin, L.	The Use of Non-hierarchical Allocation Methods for Clustering Large Sets of Data	32-41

2. May,1987

Galliers, R.D.	Information Systems Planning: A Manifesto for Australian-Based Research	49-55
Fry, M.R.	The Transport Layer in a Microcomputer Network	56-62
Patrick, J., Poole, P.C. and Lions, J.	**Selected Papers from the Tenth Australian Computer Science Conference: Guest Editors' Introduction**	63
Brent, R.P.	A Linear Algorithm for Data Compression	64-68
Leung, C.M.R., and Nijssen, G.M.	From a NIAM Conceptual Schema into the Optimal SQL Relational Database Schema	69-75
Stanton, R.B., and Mackenzie, H.G.	A Graphics Oriented Deductive Planning System	76-83
Williams, G.J.	Some Experiments in Decision Tree Induction	84-91
Fidge, C.J.	Reproducible Tests in CSP	92-98
Duke, R., Johnston, D. and Rose, G.A.	Specifying the Static Semantics of Block Structure Languages	99-104

3. August,1987

O'Callaghan, J.F.	**Special Issue on Digital Image Processing: Guest Editor's Introduction**	113-114
Thornton, B.S., Todter, C., Botten, L. and Caden, M.	Moire Fringe Methods in Aerofoil Sail Shape Measurement for the "Kookabura" 12 Metre Yachts	115-118
Fraser, D.	A Conceptual Image Intensity Surface and the Sampling Theorem	119-125
Newman, B.B. and Hildebrandt, J.	Blind Image Restoration	126-133
Benke, K.K. and Skinner, D.R.	Segmentation of Visually Similar Textures by Convolution Filtering	134-139
Shipman, A.L.	Implementing Relaxation Labelling with Neural Networks	140-147

Continued overleaf ...

Craig, M.D. and Green, A.A.	Registration of Distorted Images from Airborne Scanners	148-153
Nichol, D.G., Fiebig, M.J., Whatmough, R.J. and Whitebread, P.J.	Some Image Processing Aspects of a Military Geographic Information System	154-160
Robinson, D.E. and Knight, P.C.	Image Processing in Diagnostic Ultrasound	161-166
Sale, A.H.J.	Optimization Across Module Boundaries	167-173
4. November,1987	*Twentieth Anniversary Issue*	
Lions, J.	The Australian Computer Journal: Twenty Years On	185-189
Montgomery, A.Y.	The Australian Computer Journal: A Twentieth Anniversary Editorial - Twenty Deadly Sins Against Professionalism and Progress in Australian Computing	190-195
Ferme, W.D.	What Could a Client Reasonably Expect a Consultant to do When He is Engaged to Assist in the Purchase of a Manufacturing System	196-202
Caelli, W.J.	Guidelines for Privacy and Security in Computer Systems	203-205
Reidl, N.F.	A Checklist of Factors to be Considered when Negotiating Software Agreements	206-214
Coldwell, R.A.	Non-professional Practices in Computing: Some Thoughts on the Next Decade or So	215-218
Farrell, R.	A Guide to Software Quality for the Developer and Unwary User	219-221
Clarke, R.	The Computing Professional's Bookshelf	222-223
Woodings, T.	The Professional Development and Continuing Education of Computing Practitioners	224-230
	Editorial	1
Miscellaneous		
	Helpers Needed	15
	Call for Papers for Conferences	24,41,68,139,184
	Call for Papers for Special Issues	31,125
	Book Reviews	42-6,105-111,174-183
	Letter to Editor and Reply	47-8
	Appointment of a New Editor	68
	The Journal's Referees	112

Continued overleaf ...